

## PATENT ABSTRACTS OF JAPAN

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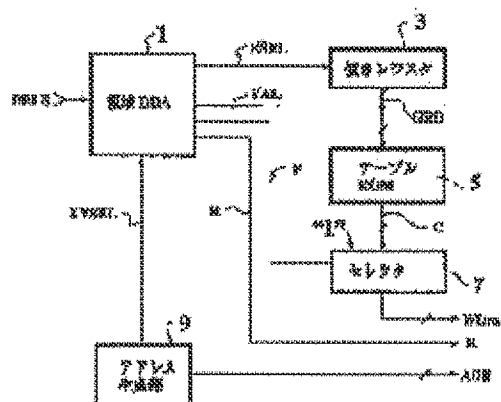
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## (54) IMAGE PROCESSOR

(57)Abstract:

**PURPOSE:** To provide an image processor which can plot a polygon that is subjected to anti-aliasing at high speed with less hardware amount by simultaneously executing an anti-aliasing processing and the judgement processing of paint out area on an image processor which efficiently removes the aliasing of a boundary in the paint out or shading of the polygon.

**CONSTITUTION:** A calculation means 1 which sequentially calculates the linear expression of a two-dimensional coordinate system in accordance with the respective sides of the polygon, judges a relative position relation of plotting points with respect to the polygon and obtains the displacement of the respective plotting points from the sides of the polygon and a conversion means 5 changing the color or gradation of the plotting point near the sides of the polygon based on displacement obtained in



the calculation means 1 are provided. Then, the internal part of the polygon is painted out or it is shaded on a bit map memory.